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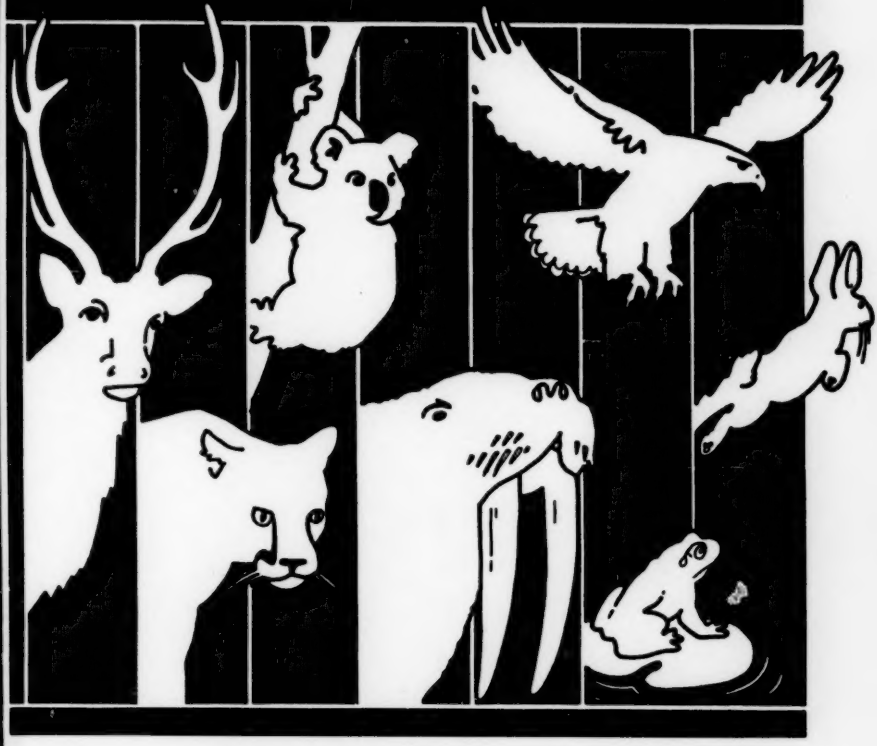

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Terry N. Sexson
Karen L. Fleming
Paul C. Purdy

Compilers

U.S. Fish and Wildlife Service
Office of Information Transfer
Data Base Section
1201 Oak Ridge Drive, Suite 200
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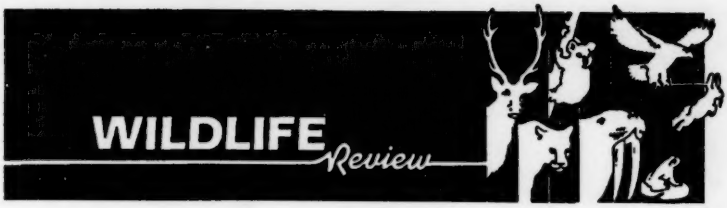

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FORESTS AND WILDLIFE

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Hieraaetus morphnoides and *Gymnorhina tibicen* in Australia.

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92-012578 Johnson, Oscar L. ATYPICAL FOOD CAPTURE BY BALD EAGLE. *Loon* 64(3):166. 1992. WR 233
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Falco berigora and *Carduelis carduelis* in Australia.

92-012581 Nelson, Warren. THERE IS SOME JUSTICE. *Loon* 64(3):164. 1992. WR 233
[603 2nd St., N.W., Aitkin, MN 56431] *Sturnus vulgaris* and *Accipiter cooperii* in Minnesota.

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92-012584 Sanson, Guy. AUSTRALIAN HOBBY ATTACKS FERAL PIGEON. *Australas. Raptor Assoc. News* 13(3):50. 1992. WR 233

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[Bailey: Dep. Poultry Sci., Agric. Exp. Stn., Tex. A&M Univ., College Station 77843] *Dromaius novaehollandiae* and *Struthio camelus.*

CRACIFORMES

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92-012593 Beauprez, Grant M.; Jennifer A. Clarke and Clait E. Braun. MOVEMENTS, REPRODUCTIVE SUCCESS, AND HABITAT USE BY INTRODUCED GREATER PRAIRIE-CHICKENS. *J. Colo.-Wyo. Acad. Sci.* 24(1):32. 1992. Abstract only. WR 233

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[Wildl. Res. Sect., Dep. Wildl. & Parks, Emporia, KS 66801-1525] *Colinus virginianus.*

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92-012599 Cope, Michael. DISTRIBUTION, HABITAT SELECTION AND SURVIVAL OF TRANSPLANTED COLUMBIAN SHARP-TAILED GROUSE (*TYMPANUCHUS PHASIANELLUS COLUMBIANUS*) IN THE TOBACCO VALLEY, MONTANA. *M.S. thesis, Mont. State Univ.* 60p. 1992. WR 233

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92-012601 Decker, Scott Regan. NUTRITIVE QUALITY AND METABOLIZABLE ENERGY OF EIGHT WILD TURKEY WINTER FOODS IN NEW HAMPSHIRE. *M.S. thesis, Univ. N.H.* 37p. 1988. WR 233
Meleagris gallopavo silvestris.

92-012602 DiMare, Maria Isabel. EFFECTS OF LEK SHAPE ON REPRODUCTIVE BEHAVIOR OF ATTWATER'S PRAIRIE CHICKEN. *Ph.D. dissertation, Tex. A&M Univ.* 1991. WR 233
Tympanuchus cupido attwateri in Texas.

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[Dep. Ecol., Ethol., & Evol., Univ. Ill., 515 Morrill Hall, 505 S. Goodwin, Urbana 61801] *Phasianus colchicus torquatus* in Illinois.

92-012604 Gobeille, John Edward. THE EFFECTS OF FIRE ON MERRIAM'S TURKEY BROOD HABITAT IN SOUTHEASTERN MONTANA. *M.S. thesis, Mont. State Univ.* 61p. 1992. WR 233
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92-012605 Godwin, Karl David. HABITAT USE, HOME RANGE SIZE, AND SURVIVAL RATES OF WILD TURKEY GOBBLERS ON TALLAHALA WILDLIFE MANAGEMENT AREA. *M.S. thesis, Miss. State Univ.* 127p. 1991. WR 233
Meleagris gallopavo in Mississippi.

92-012606 Good, Peter L. WINTER HABITAT OF THE WILD TURKEY IN SOUTHEASTERN NEW HAMPSHIRE. *M.S. thesis, Univ. N.H.* 61p. 1982. WR 233
Meleagris gallopavo.

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92-012609 Hudson, Peter J.; Andrew P. Dobson and David Newborn. DO PARASITES MAKE PREY VULNERABLE TO PREDATION? RED GROUSE AND PARASITES. *J. Anim. Ecol.* 61(3):681-692. 1992. WR 233
[Game Conserv., Crubenmore Lodge, Newtonmore, Inverness-shire PH20 1BE, Scotland] *Lagopus lagopus scoticus* in England.

92-012610 Jackson, DeWaine H. WILD TURKEY PRODUCTION IN IOWA DURING 1991. *Iowa Bird Life* 62(2):35-38. 1992. WR 233
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[Dep. Wildl. Ecol., Univ. Wis., Madison 53706] *Bonasa umbellus.*

92-012612 Jansen, James J. WINTER FACTORS AFFECTING TURKEY INTRODUCTION IN EAST CENTRAL WISCONSIN. *M.S. thesis, Univ. Wis. (Stevens Point)* 49p. 1992. WR 233
Meleagris gallopavo.

GALLIFORMES (Continued)

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Phasianus colchicus and *P. c. strauchi.*

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[Natl. Park Serv., Coop. Park Studies Unit, P.O. Box 5614, North. Ariz. Univ., Flagstaff 86011] *Melospiza melodia micronyx* in California.

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BOOK REVIEW

Haynes, Gary. 1991. *Mammoths, Mastodonts, & Elephants.* Cambridge University Press, 40 West 20th Street, New York, NY 10011. 413 pp. Available from the publisher at $69.50 (cloth).

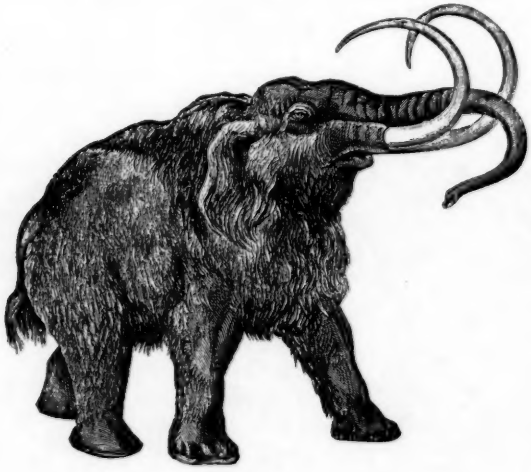
This book examines the similarities between proboscideans: the modern elephant and extinct mammoths and mastodons. The author uses anatomical similarities such as body size and shape to suggest behavioral similarities. A special supplement gives details of frozen mammoth carcasses found in Russian Siberia.

The book is divided into three sections. The first section describes the taxonomy, physical appearance, and the social structure and habitat of the animals. The second section relates the lives and deaths, sites of deaths, and bone assemblages of the modern (African) elephant, and the third section is an interpretation of the fossil records. Special consideration is given to the extinction of North American proboscidea.

Written in easy-to-read active prose, the book is not overwrought with jargon, but it does contain scientific terminology that might dissuade the casual reader. The book is liberally illustrated with black and white photographs, line drawings, and maps. It contains many supporting data in tables, charts, and graphs. The book has a large reference section, suggesting a careful assembling of authoritative material, and it is well indexed.

The author includes many personal observations on living animals and their habitats, death (both natural death and mass kill) sites and bone assemblages, and fossil sites. He provides detailed descriptions of methods and study locations. The author maintains the role of scientist and observer throughout.

I would recommend this book for those desiring a comprehensive reference comparing living and extinct proboscideans. —Jerry D. Cox, U.S. Fish and Wildlife Service, Office of Information Transfer, 1201 Oak Ridge Drive, Fort Collins, CO 80525-5589.



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BOOK REVIEW

Jordan, William J. and John Hughes. 1992. *Care of the Wild: First Aid for Wild Creatures.* The University of Wisconsin Press, 114 North Murray Street, Madison, WI 53715. 226 pp. Available from publisher at $27.50 (cloth) or $11.95 (paper).

The introduction of the book provides good general advice for handling or refraining from handling sick, injured, or orphaned wild creatures. The main text is in three parts. In Part One are guidelines for the care of birds. A chapter each is dedicated to wildfowl or waterfowl, other swimming birds including sea birds, waders and similar birds, game birds, birds of prey, and other birds, notably songbirds. Part One concludes with a chapter on cleaning birds contaminated with oil. Part Two provides guidelines for the care of mammals. A chapter each is dedicated to small mammals; bats; hares and rabbits; squirrels; weasels; wolves, foxes, and coyotes; otters and other aquatics; marine mammals; medium-sized meat-eaters; and deer and pronghorn antelopes. In Part Three are the guidelines for the care of other wildlife. A chapter each is dedicated to snakes, lizards, and turtles; amphibia; and fishes. Part Three concludes with a chapter on insects and another chapter on parasites.

Material is well organized. Each chapter on care begins with a description of possible hazards of handling animals and includes advice for the approach, capture, and transport of the animal; initial care; food and feeding; diagnosis and treatment of injuries from poison, traps, hunters, contamination, and various accidents; temporary housing; care of orphans; and return to the wild. The chapter on insects is about the benefits of these creatures. The chapter on parasites provides brief descriptions of worms and ectoparasites of fishes and wildlife.

Appendix A is a very brief description of principal legislation about fishes and wildlife. Appendix B addresses euthanasia. Appendix C is on the composition of milk by various species and on formulas and feeding regimes for orphans. Appendix D is a list of wildlife rehabilitation centers in the United States.

Sketches throughout the book assist with the identification of species, construction of holding facilities, and care of the animals until custody and treatment by a professional can be obtained.

The text is without jargon and easy to understand by everyone. In addition to the described material, the authors provide much other information about wild creatures. People who know they cannot ignore an injured, sick, or orphaned wild creature will treasure this book and keep it handy. Familiarization with the material and its organization and highlighting of some information expedite retrieval of specific information when an animal needs immediate help.

—E. D. Rockwell, Office of Information Transfer, U.S. Fish and Wildlife Service, 1201 Oak Ridge Drive, Suite 200, Fort Collins, CO 80525-5589.

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New Hampshire, Southern
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BOOK REVIEW

Reynolds, John E. III, and Daniel K. Odell. 1991. *Manatees and Dugongs*. Facts on File, Inc., 460 Park Avenue South, New York, NY 10016. 192 pp. Available from the publisher at $24.95 (cloth).

This book is attractive enough to be a coffee table edition, with 47 color and 45 black and white photographs and line drawings, including maps and graphs. It is written in an easy reading prose that appeals to both the scientist and the layperson. The biology of the manatee and other sirenians is discussed in general terms and supported with data by scientists and observers. The book is notably devoid of scientific jargon.

In the introduction, the authors present a gloomy past and dismal future for the aquatic mammals, and later in the book discuss some of the disastrous effects of interaction with humans, suggesting a gradual progression toward extinction. In a separate chapter, the authors relate how the Steller's sea cow became extinct in the 18th century through heavy hunting and human neglect. A positive note is included, however, in that not all contact with humans is fatal to the sirenians. There is some discussion of the benefits of the manatee.

The book has a chapter each on the Florida manatee, the Antillean manatee, the West African manatee, the Amazonian manatee, and the dugong. Each of these chapters details habitat by region or country and some human response to the animal.

The conclusion of the book is a chapter on conservation, followed by a short treatise by Daryl P. Domning, Why Save the Manatee?, and a brief description of the legal status of sirenians.

I recommend this attractive book to anyone who wants a comprehensive reference on sirenians. —Jerry D. Cox, U.S. Fish and Wildlife Service, Office of Information Transfer, 1201 Oak Ridge Drive, Suite 200, Fort Collins, CO 80525-5589.

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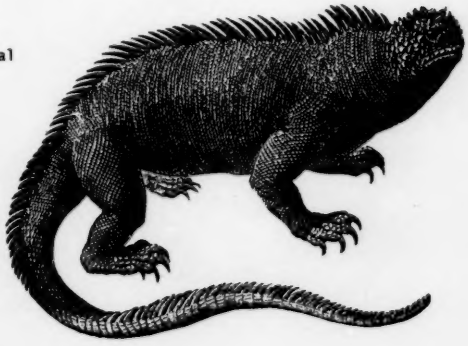


BOOK REVIEW

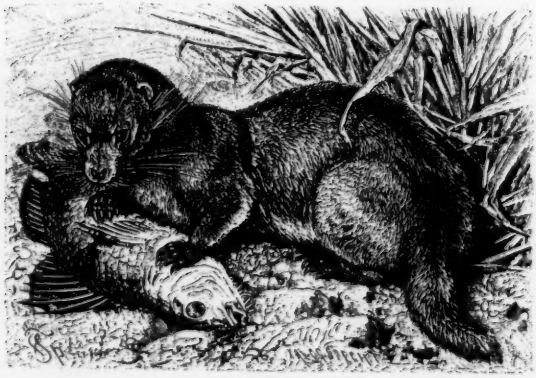
Spellerberg, I. F., F. B. Goldsmith, and M. G. Morris (editors). 1991. *The Scientific Management of Temperate Communities for Conservation. The 31st Symposium of the British Ecological Society, Southampton 1989.* Blackwell Scientific Publications, 3 Cambridge Center, Cambridge, MA 02142. 566 pp. Available from the publisher at $59.95 (paper).

In addition to 21 papers by authors from throughout the world, the book features a preface by the editors, an introduction by Eric Duffy, and author and subject indices. The papers are on highly relevant topics, namely, conservation in a world context; rates of loss of biological diversity; genetics and the conservation of invertebrates; management for the conservation of plants with particular reference to the British flora; the management of populations of large mammals; conservation of fish species; rare species conservation (case studies of European butterflies); lake communities (an approach to their management for conservation); management of coastal communities; ecological issues in the management of woodland nature reserves; the selection of protected area; biogeographical basis of conservation; the management of reserves and protected area; scientific basis for the conservation management of New Zealand plant communities; running waters (a conservationist's nightmare); tallgrass prairie restoration in the Northern American Midwest; conservation in agricultural ecosystems; conservation management in ancient and modern woodlands (responses of fauna to edges and rotations); historical lessons for the future; data management for conservation; and modelling (a basis for management or an illusion). Text is accompanied by tables, graphs, line drawings, and some photographs.

Most papers address the current state of conservation of natural resources in northern temperate North America and Europe and only few that of southern temperate regions. However, the discussed issues are global and the papers provide a wealth of current information about conservation, notably, during the past 18 years.

The papers are well written although the discriminate reader prefers more polished diction, syntax, and usage. The text is suitable as a reference, assigned reading for undergraduate and graduate college students, and a valuable source of information for anyone with an interest in conservation of natural resources.

—E. D. Rockwell, Office of Information Transfer, U.S. Fish and Wildlife Service, 1201 Oak Ridge Drive, Suite 200, Fort Collins, CO 80525-5589.



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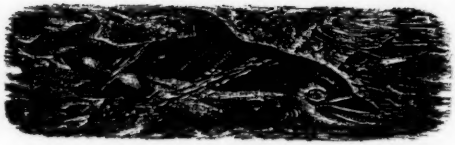

BOOK REVIEW

Renouf, D. (editor). 1991. *The Behaviour of Pinnipeds*. Chapman and Hall, 29 West 35th Street, New York, NY 10001. 410 pp. Available from the publisher at $175.00 (cloth).

The book is a collection of seven chapters by seven scientists from different institutions in the United States and Canada. The authors, who are recognized experts on the Pinnipedia, discuss and summarize information on determinants of mating systems in the Otariidae; pinniped mating systems on land and ice and in the water; behavioral ecology of pinniped neonates; communication in pinnipeds with special reference to non-acoustic signaling; physiology of behavior in pinnipeds; reproductive and foraging energetics of pinnipeds and their implications for life history patterns, and sensory reception and processing in Phocidae and Otariidae. The authors draw on theories about the development and function of behavior in a variety of animals to speculate about the selection of behaviors in pinnipeds. The authors' speculations identify many topics and specifics for research.

The book provides a wealth of information about various species of pinnipeds. Descriptions and explanations of behaviors are accompanied by many photographs, tables, graphs, and line drawings. The style of the book is lively in spite of the complexity of the material. However, the discriminate reader would have appreciated dynamic editing to prevent occasional wordiness, ineffective diction and syntax, grammatical errors, and poor usage.

The book addresses the serious student of animal behavior and of sea lions, fur seals, true seals, and walruses. A basic but sound understanding of the theory of evolution, the principles of natural selection, and the major theories for the development of behaviors is a prerequisite for full appreciation of this book. —E. D. Rockwell, Office of Information Transfer, U.S. Fish and Wildlife Service, 1025 Pennock Place, Suite 212, Fort Collins, CO 80524.

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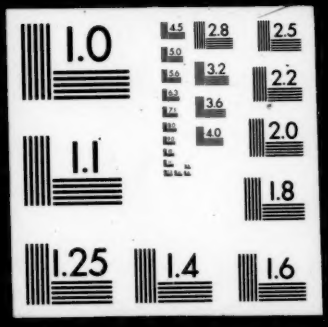
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